

CLAIMS

A method for producing heavy protective coatings exhibiting a high adhesion on parts of valve metals or alloys thereof by micro-arc oxidation, comprising placing a part in an electrolyte on a current-conducting holder coated with an insulating material, producing a working voltage between said part and said electrolyte, raising the voltage until a micro-arc discharge is originated, characterized in that the holder of the part is externally coated with an electroinsulating material at the air-electrolyte interface.